

United States Army Combined Arms Support Command



**QM Senior Service College
31 March 2001**

LTG Billy K. Solomon





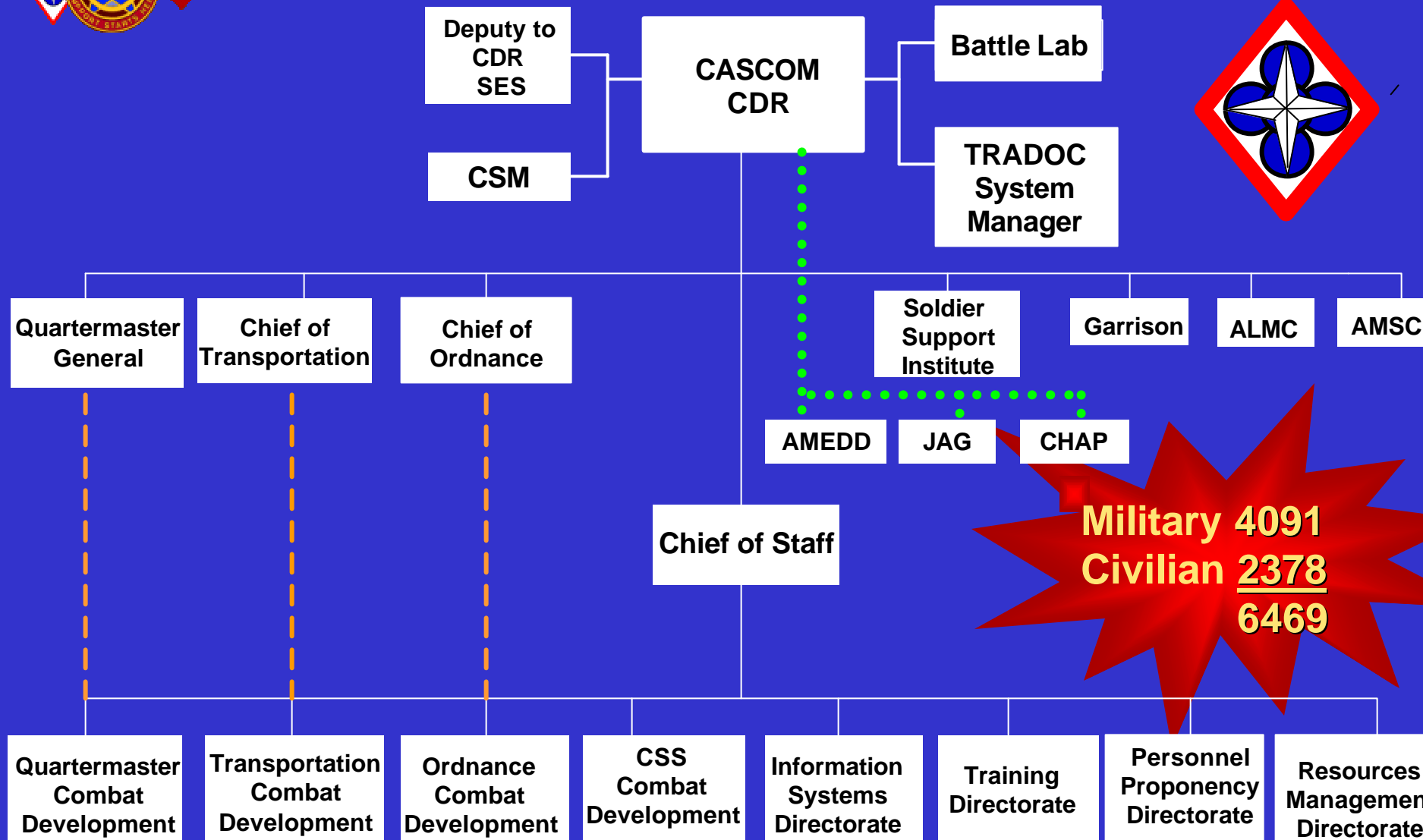
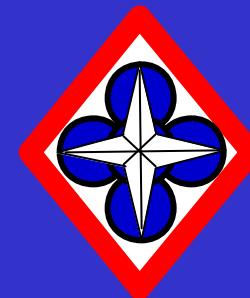
MISSION

Provide the Army with **combat developments, training developments, and institutional training**; participate in the force structuring process; determine materiel requirements and influence the development, acquisition, and fielding processes for combat service support functions.





Combined Arms Support Command



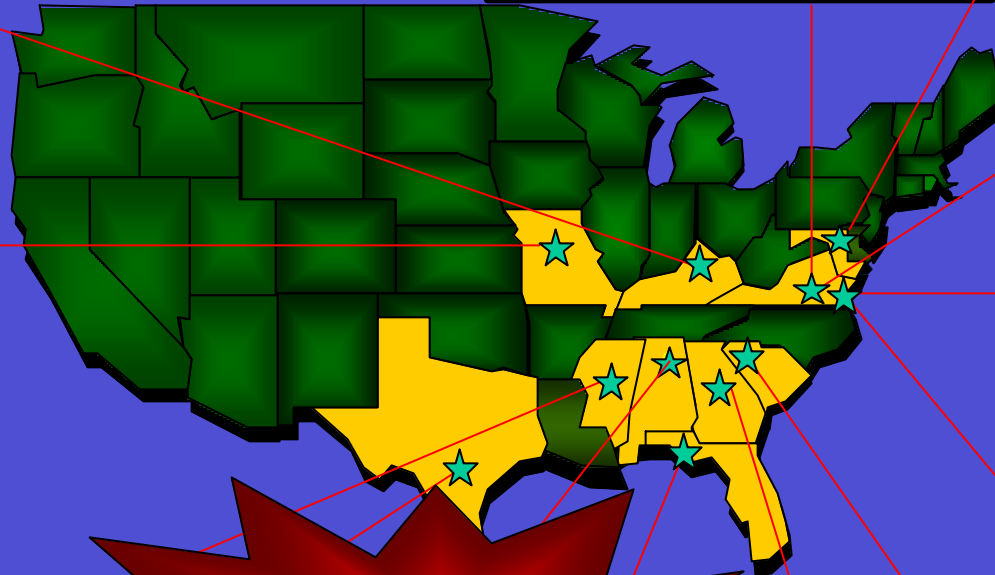
Military 4091
Civilian 2378
6469

As of 02/14/01

FY 01 (0201 TDA)
AUTH OFF/ WO/ ENL
636/ 139/ 3316

--- Oversight
... Coordination

The CASCOM Family



PROPONENT FOR
40% OF THE
TOTAL ARMY



CASCOM Missions

*"New Means to
Effect Future Army
Architecture"*

Supporting Transformation with ...

Traditional



Non-Traditional

- **Combat Developments**
 - Concepts & Initiatives
 - Doctrine
 - Materiel
- **Training Developments**
 - Mission Training Plans
 - Unit Training Outlines
- **Institutional Training**

- *Velocity Management*
- *Joint Distribution For CINCs*
- *Deployment/Force Projection*
- *CSS Transformation*
 - *Reduce Logistics Footprint*
- *GCSS-A*
- *Single Stock Fund*

***The DTLOMS advocate for
Combat Service Support !!!***



OPERATIONAL ENVIRONMENT IS CHANGING

**WIDE RANGE OF COMMITMENTS - MTW, REGIONAL CONFLICT,
STABILITY OPS, HUMANITARIAN / DISASTER RELIEF**

■ PHYSICAL ENVIRONMENT:



- Topography - prescribes nature of the conflict
- **Complex / urban terrain** - degrades U.S. technological superiority
- **Limited infrastructure** - affects response capability
- **Human issues** add complexity
- Increased Govt / NGO / PVO / criminal influence

■ UNPREDICTABLE TIME AND PLACE FOR FUTURE LAND COMBAT:

- **Side that controls time and tempo has more options**
- **Responsiveness is vital deterrence**
- **Arriving too late decreases options; costs too severe**

■ POLITICAL ENVIRONMENT:

- National / International **ROE**
- Limited tolerance for **collateral damage**
- **Build coalitions** versus established alliances
- Enemy national will is not a center of gravity



■ INFORMATION:

- Increased Media / IO influence affect National will
- Information Operations as one dimension
- Cultural / Linguist hurdles



■ TROOPS AVAILABLE:

- Attack to disrupt coalition unity
- **Casualties, collateral damage** complicate military actions

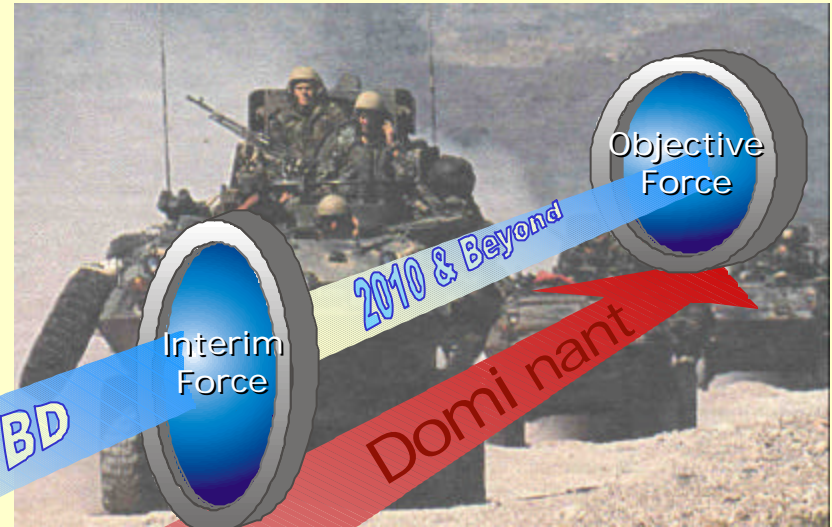


The Army's Transformation

Must Begin Soon...

"Soldiers on point for the Nation... the ability to respond to crisis, to engage, to deter conflict, to fight and win decisively..."

General Shinseki
26 Oct 99



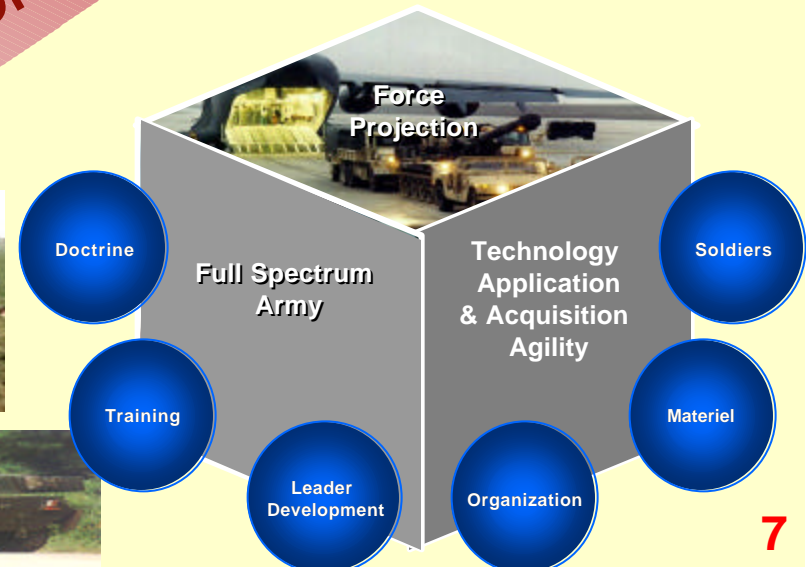
2003-TBD

2010 & Beyond

Dominant

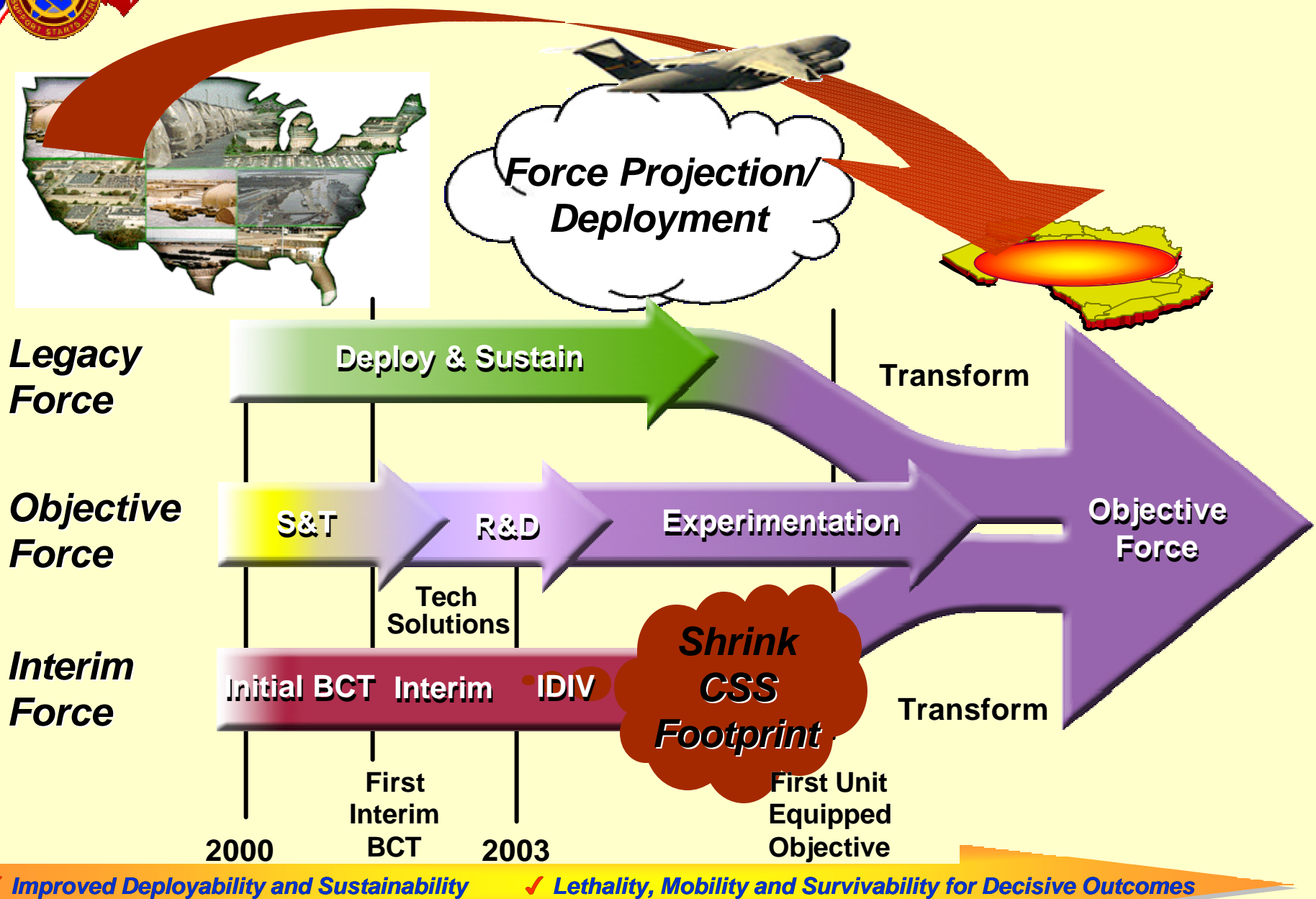
**Off-the-Shelf
Technology**

Strategic





The Transformation



Support Starts Here!

The Army Vision

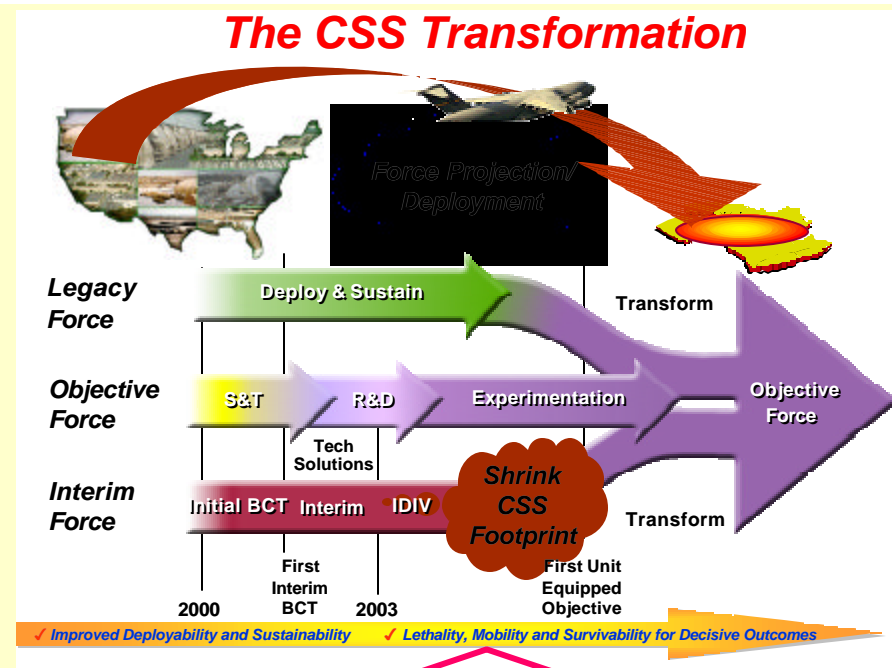


Soldiers on Point for the Nation Persuasive in Peace; Invincible in War

↳ **1 Bde in 96 hrs**
↳ **1 Div in 120 hrs**
↳ **5 Divs in 30 days**

- Responsive
- Deployable
- Agile
- Versatile
- Lethal
- Survivable
- Sustainable

- **Increase Strategic Responsiveness**
- **Improve Operational Jointness**
- **Develop Leaders for Joint Warfighting and Change**
- **Complete Full AC / RC Integration**
- **Man Warfighting Units**
- **Provide Well-Being of Soldiers, Civilians and Families**
- **Help Soldiers Achieve Goals**



- **Augmented by Commercial resources**
- **70% of Maneuver Sustainment Force Structure is in the RC**



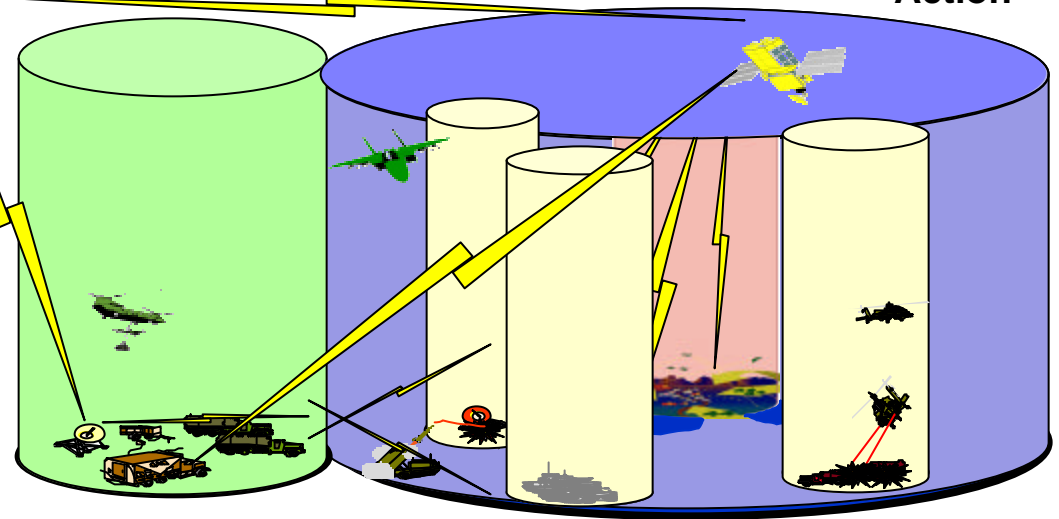
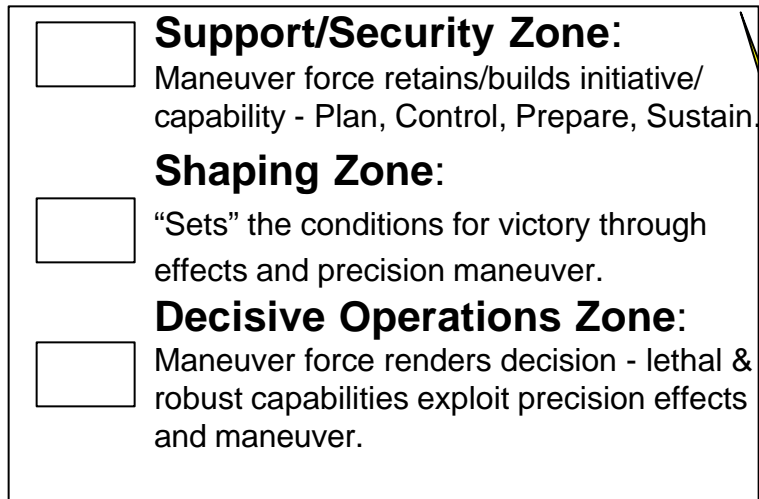
The Battle Space Construct

TRADOC Pam 525-5



Shaping Action

Reachback



Simultaneous blending of offensive, defense, stability & support missions

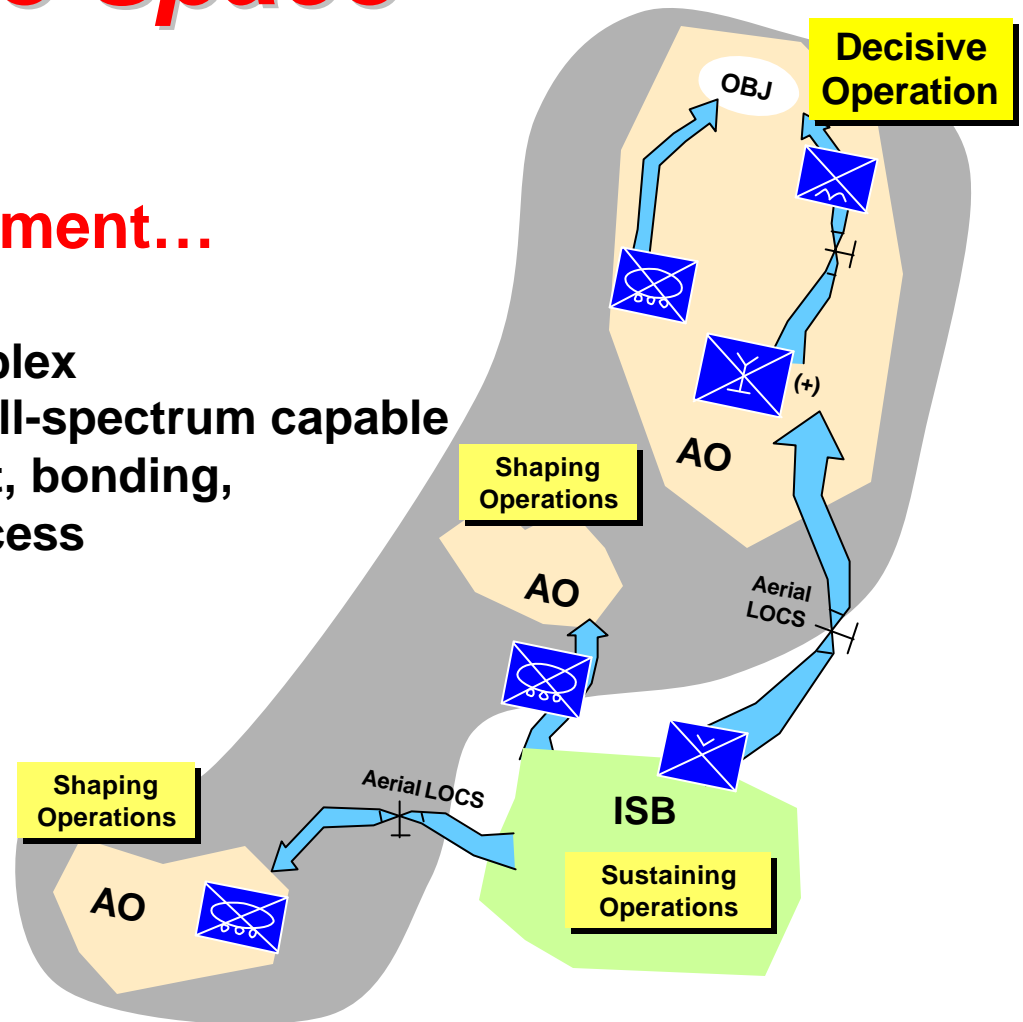
- Cdr's intent and plans are shared through an **internetted network** of joint, interoperable C4ISR systems enabling rapid, coherent, focused actions for units throughout the battlespace.
- The operations of agile, mission-tailored joint forces require highly efficient, info-enabled sustainment.
- Locations are dynamic, **changing position, shape and size to meet the specific needs** of the operational forces.
- Maximum use is made of “**reach**” capability for logistical support
- Zones can be contiguous to or geographically separated from other zones.



Battle Space

What this means for officer training and leader development...

- Leader Development is more complex
- Everyone must be a warfighter - full-spectrum capable
- Combined arms employment, trust, bonding, and rapid teaming are keys to success
- Standards are important
- MUST have time to learn at each level—cannot race through formative, developmental assignments
- Leader development and training opportunities must be linked



Today's training and leader development programs do not support full-spectrum operations

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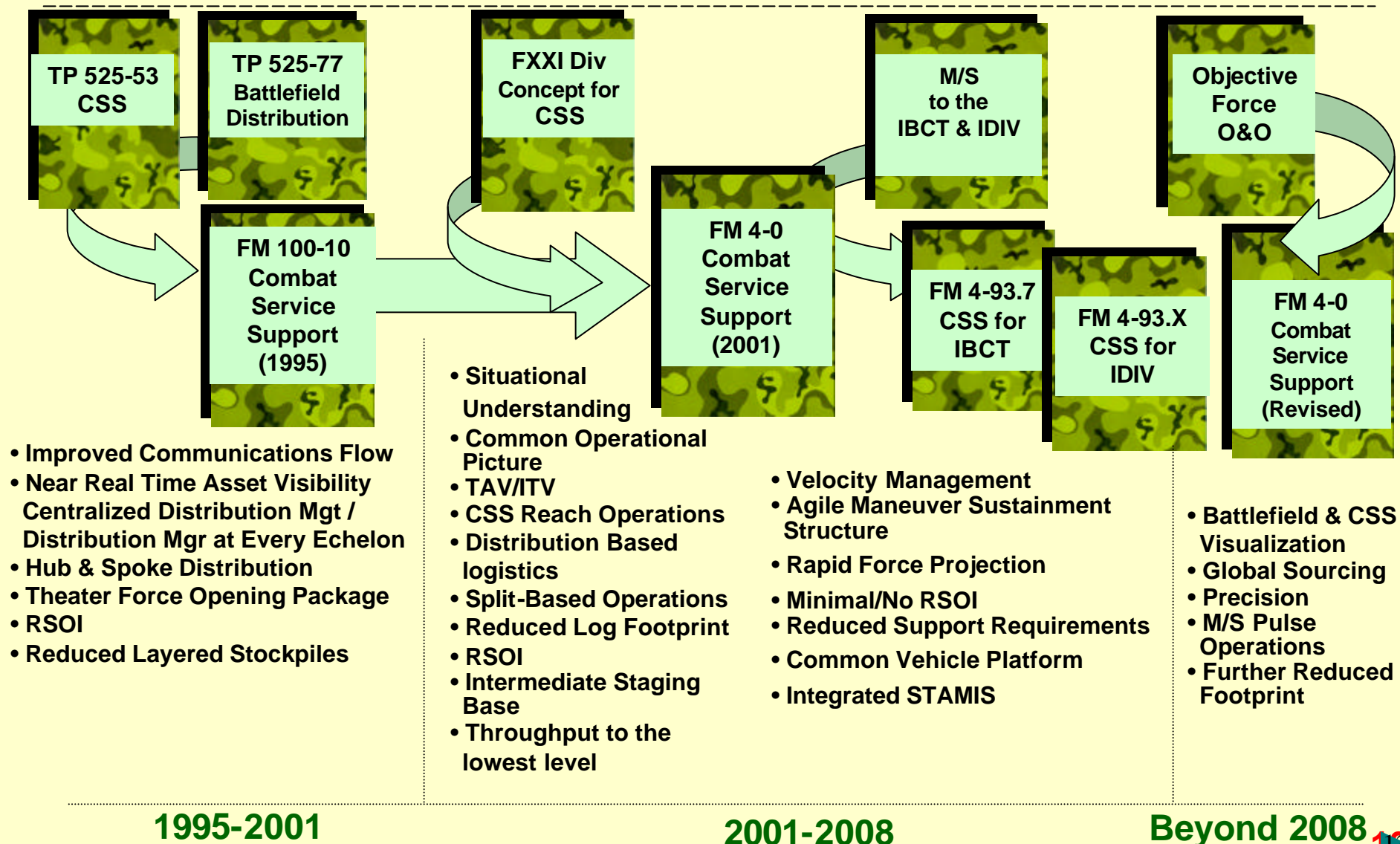
Doctrinal Layout

Legacy

FXXI

Interim

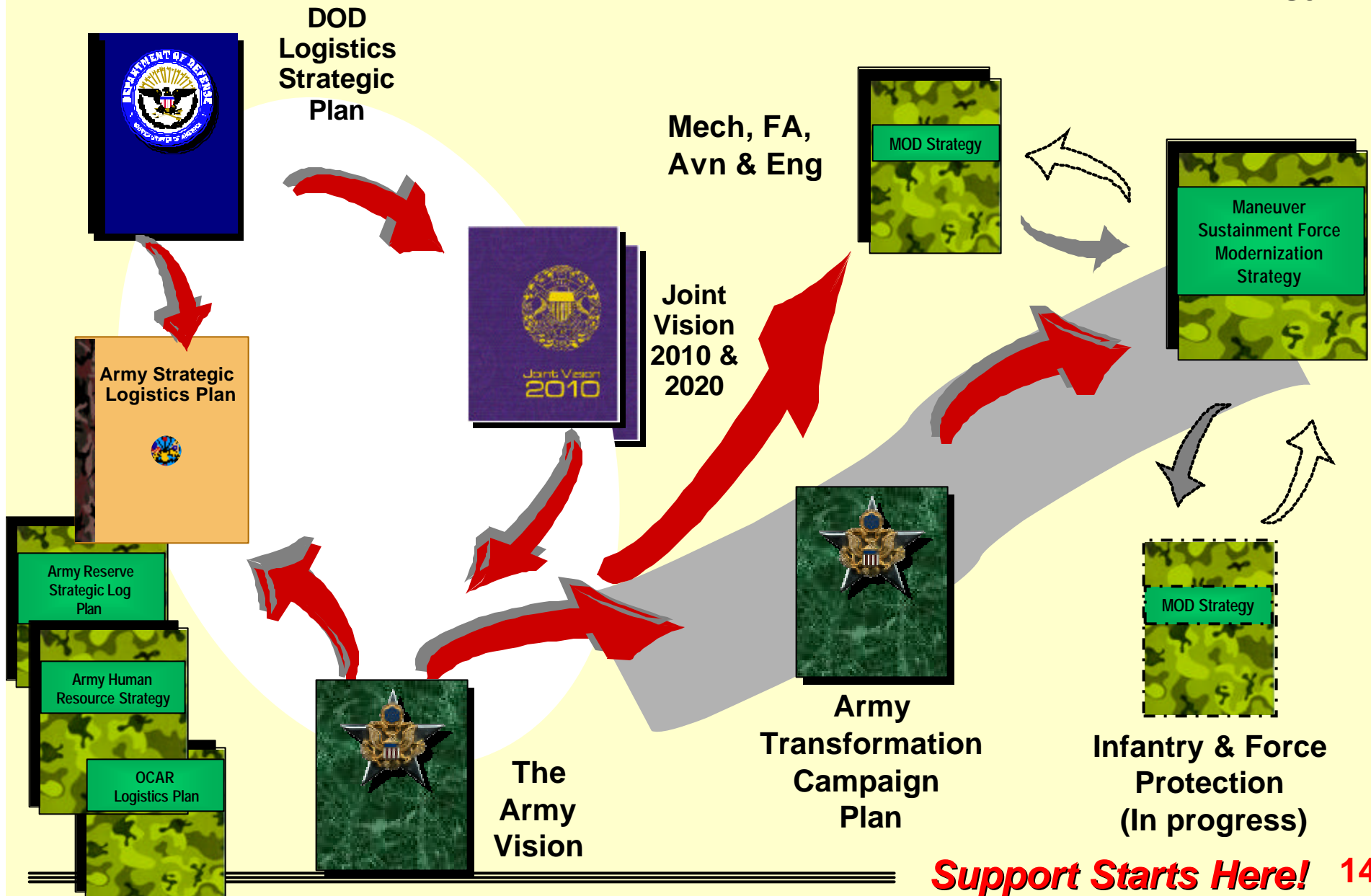
Objective





Strategic Doctrinal Framework

Road to the Maneuver/Sustainment Force Mod Strategy



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Challenges in Achieving the Strategy...

- **Reduce Requirements**
 - Updating Planning Factors & Equipment Usage Profiles (EUP)
- **Investment in Technology**
 - Common Operational Picture
 - Ultra Reliable
 - Fuel Efficiencies; Engines and POL
 - Common Chassis
- **Sustainment of THREE forces as ONE Army**

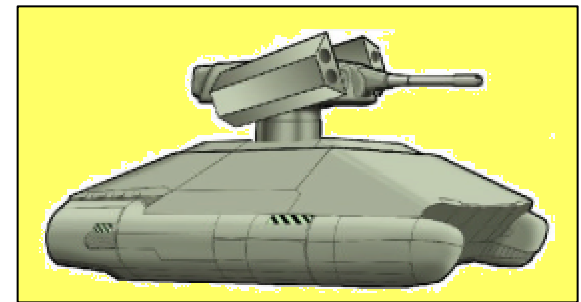
Force XXI Legacy



IDIV



Objective Force



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The Challenge

AOE / FXXI

- **Start Battle Shift @ 100% Capacity**
- **Deliver to Every Customer Every Day IAW Battle Rhythm**

**CSS Force Structure,
Enablers, and Doctrine /
TTP Designed to This
Requirement**

**Austere CSS Force
Structure Drives
Significant Paradigm
Changes**

IBCT

- **Start Battle Shift @ < 100% Capacity**
- **Synchronize Delivery to Every Customer IAW Requirements and Battle Rhythm**

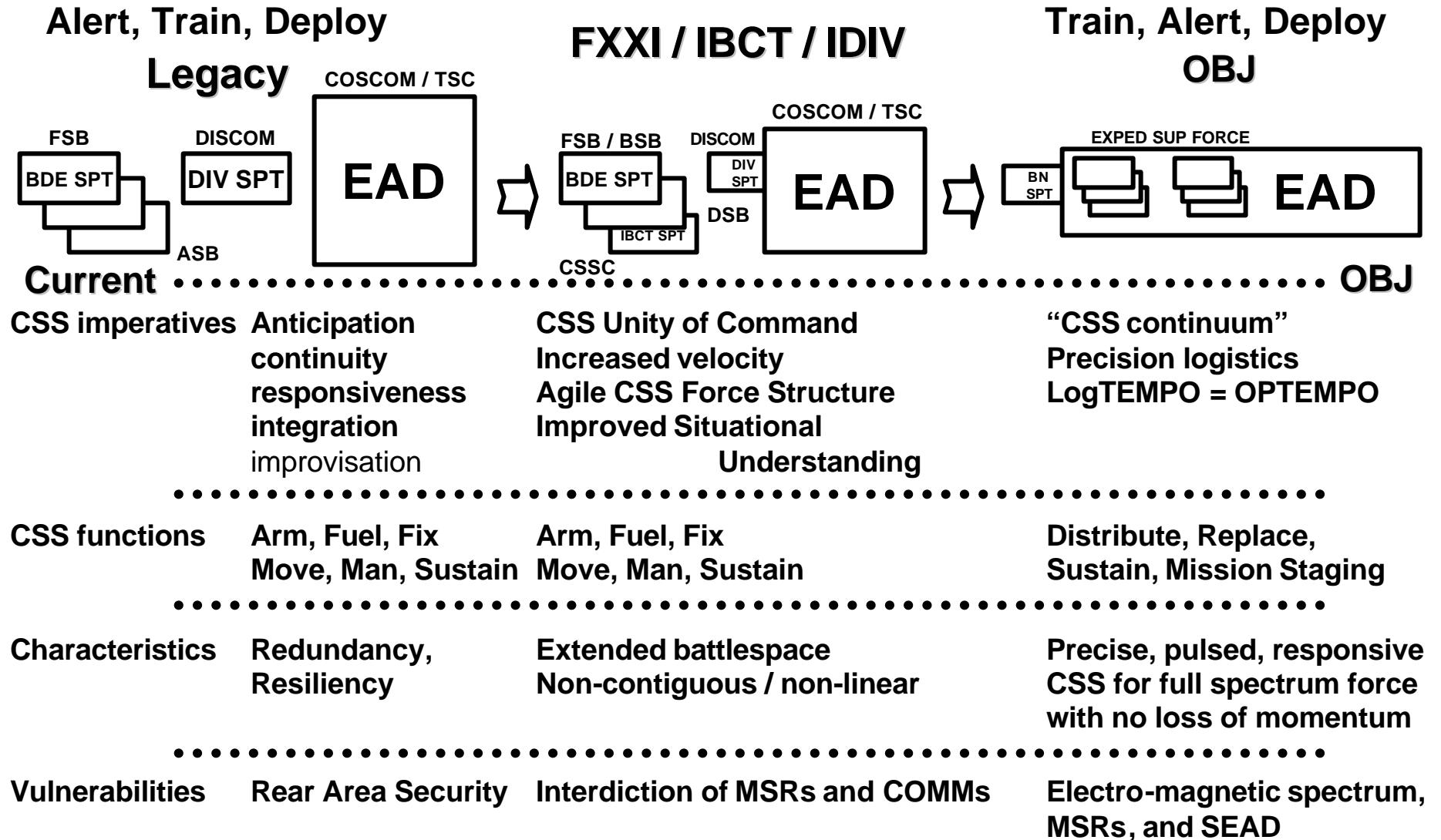
Requires

**Cultural Changes
New Doctrine / TTP
Equipment Modifications
New Decision Support Tools**



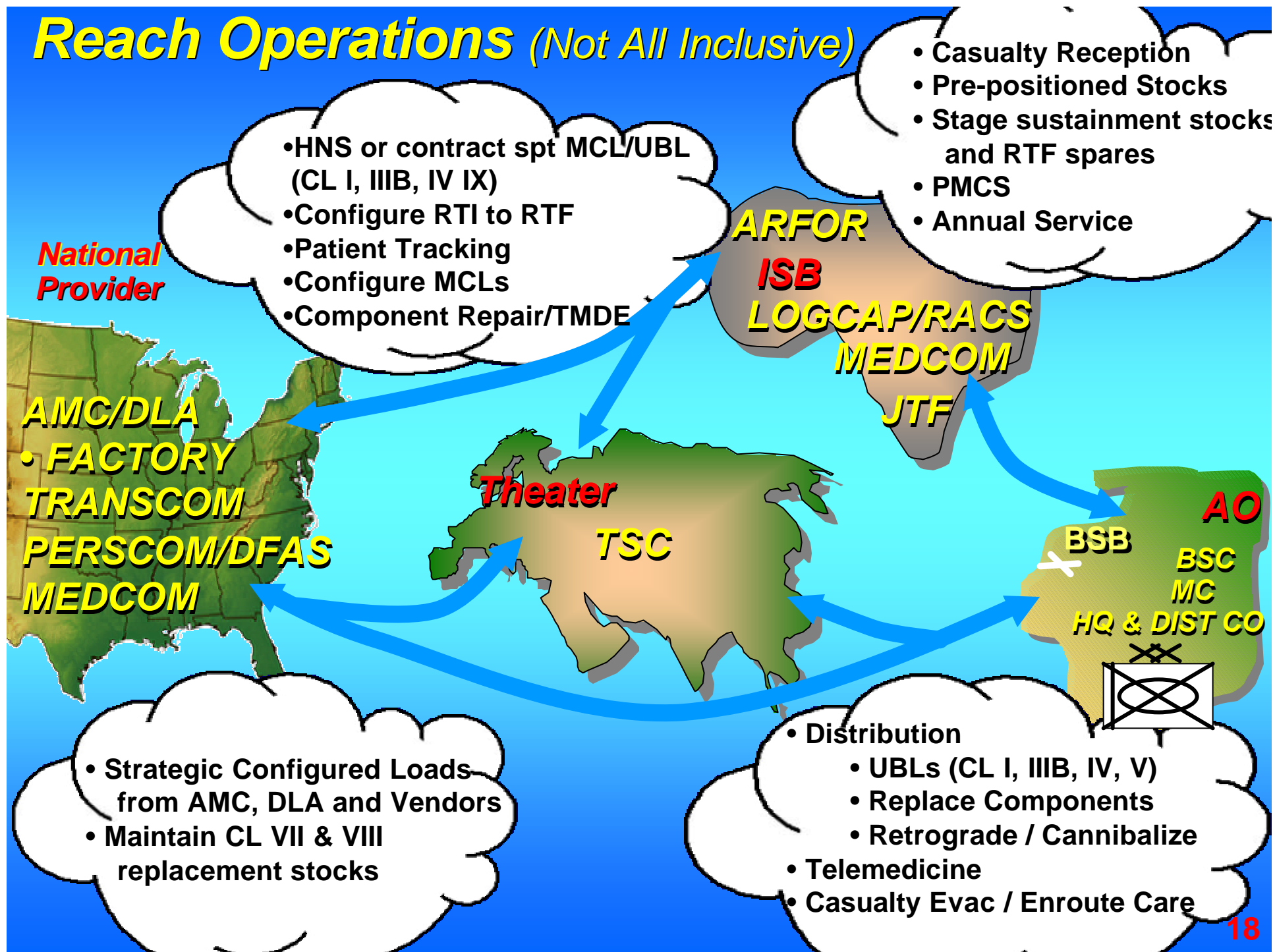
Organizations

From Current Force to Objective Force



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Reach Operations (Not All Inclusive)

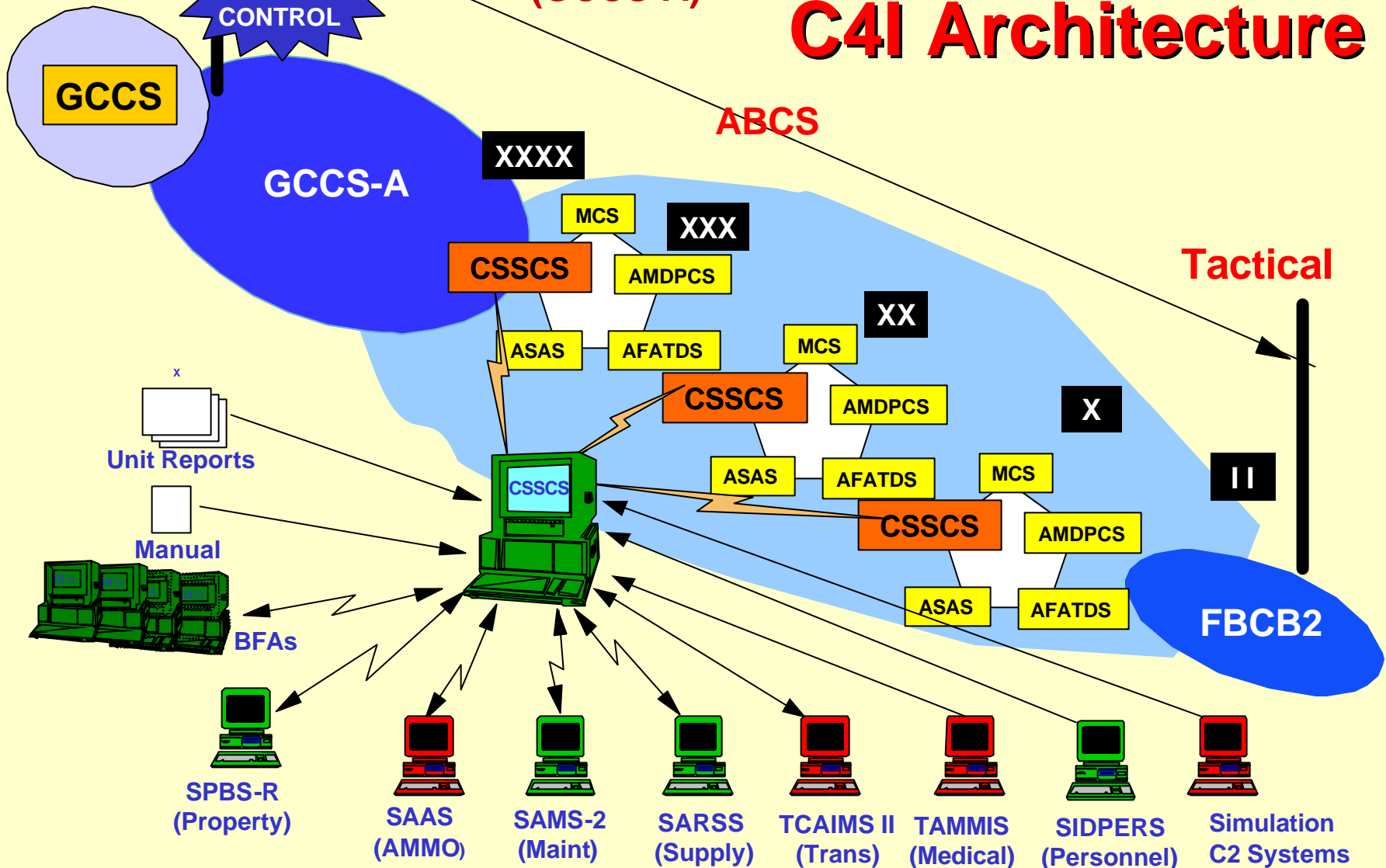


Strategic
(GCCS)

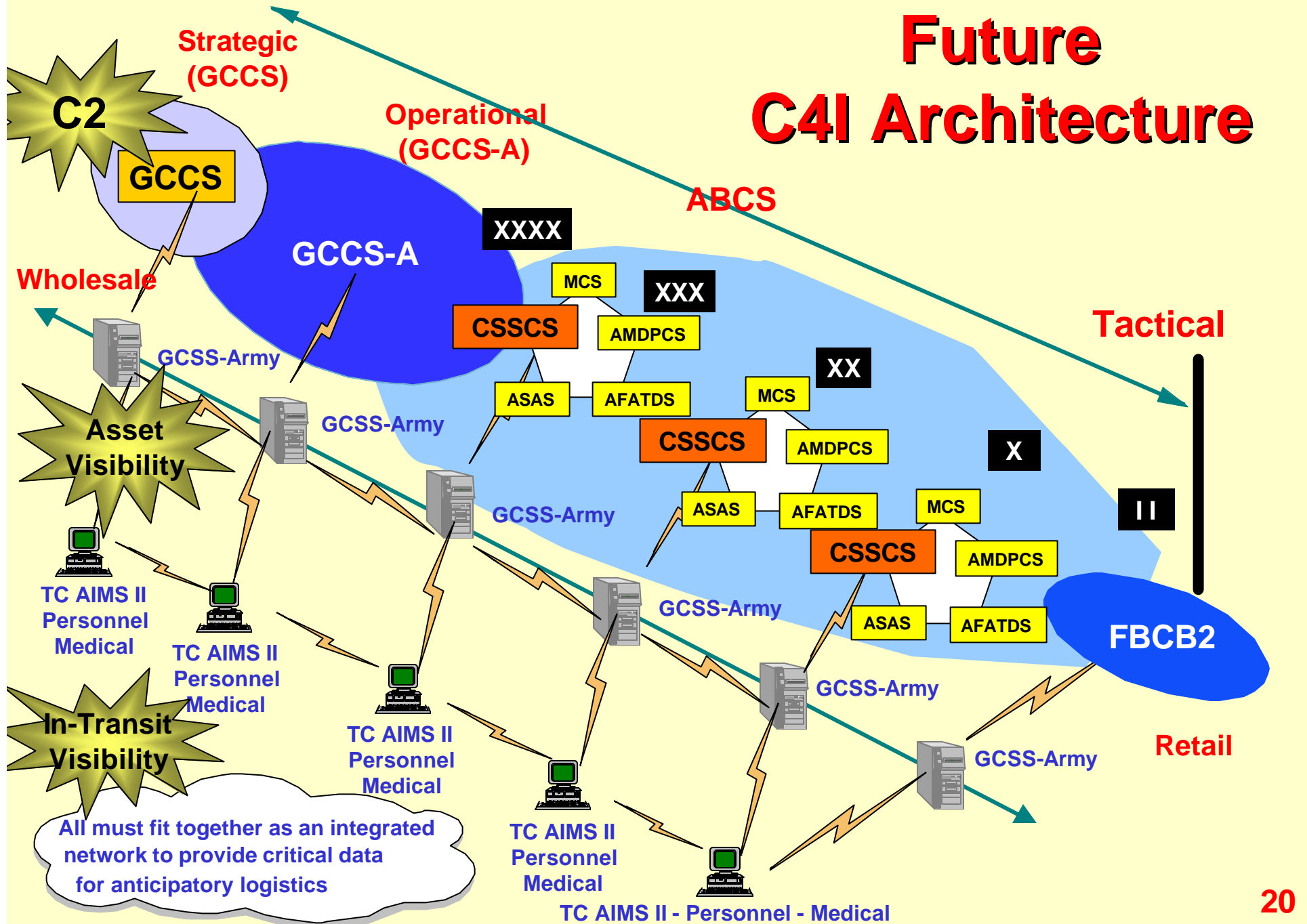
COMMAND
AND
CONTROL

Operational
(GCCS-A)

Current C4I Architecture



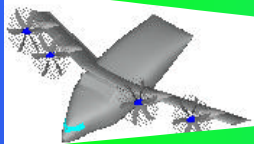
Future C4I Architecture





CASCOM Transformation Initiatives

CASCOM



Tactical Ldrs Course Senior Ldrs Course
CSSCS ARFOR Dev FCS
CSSC GCSS-A CSS Rock Drills

Quartermaster

CAMEL Modular TRK Co. Helicopter External
LHS WTR Tank racks LMFF Lift Enhancer
TMTPU MIRCS HIPPO LADS

Transportation



MTS CHU Improved Cgo. OPS TSV
Mobility Warrant Officer Swing Thru System HEMTT-LHS
CROP TC AIMSII HC3 FTTS

Ordnance

FM 9-6 ETM Reader FM 9-43-1 FRS LOF TEMOD
Ultra-Reliability IFTE VIPER ADIP BDAR
FM 9-15 ABS PULOA SKOT OBOC
Embedded Diagnostics & Prognostics

AMEDD



MEDLOG MC4 JHSS 2010
PIC MHS 2020 MDT

SSI

DFBS Ministry Extension Kit
TPS RDL DIMHRS
Multi-Technology Automated Reader Card

**OBJECTIVE
FORCE**



**CSS
Transformation**



Crosswalk MS Mod Strategy to HQDA DCSLOG Top 30 Enablers

Mod Strategy Recommendations

Corresponding HQDA DCSLOG Enabler

- 1. Reduce Demand for fuel, ammo, water, maintenance, power and field services**
- 2. Expanded Improvements to Re-capitalized Systems**
- 3. Common Operational Picture
(ABCS, CSSCS, GCSS-Army, FBCB2, SPORT
MTS, TCAIMS II, MC4/TMIP, DIMHRS, AIT)**
- 4. Future Delivery Platforms FTTS/TSV/FTR
(Includes Air drop/delivery)**
- 5. Force Protection**
- 6. Force Projection (includes Army Watercraft)**
- 7. Forward Resuscitation/Stabilization &
Casualty Evacuation**
- 8. Fill/Train First to Fight/First to Support Units**
- 9. Load Handling Capability**
- 10. Revalidate Planning Factors & Allocation Rules**

- Item 146 - STO's to
Reduce Demand**
- Item 142 - Recapitalization**
- Item 198 - Common Operating
Picture**
- Item 162 - Theater Support
Vessel**
- Not Incorporated**
- Item 94 - Joint Modular Lighter
System**
- LO 3 - DCSLOG Phase 2**
- Item 194 - Total Package Fielding**
- Item 195 - Upload/Download
Capability**
- Special Interest Item**



Achieving Transformation

Summary of Issues

**We must begin now to modernize
Sustainment commensurate with the Army
Transformation**

- Inadequate Automation Capability and CSS Common Operating Picture (COP)
- Reduce Consumption ... and Invest NOW in Science & Technology
- Force Projection
- Forward Resuscitation / Stabilization / Casualty Evacuation, & Distribution
- Re-sequencing of fielding and training to reflect new missions and true change in "first to fight" priorities
- Tactically competent CSS soldiers

This transformation requires us to:

- operate/sustain combat power
- over extended (unsecured) distances,
- anywhere in the world, continuously,
- w/minimal footprint



On-Going CSS Actions

> OBJECTIVE FORCE INITIATIVES

- FXXI CSS Design
 - Two Digitized Divisions
- EAD/EAC CSS Redesign
- IBCT CSS Design
- Incorporate IBCT into AOE LID and LCD AR DIVs

FXXI

- DCX I (Mar - Apr 01)
- DCX II (tent. Oct 01)

> C4ISR

- FBCB2
- CSSCS
- GCSS-A
 - TCAIMS II
 - Personnel
 - MTS
 - Medical

CSS

Rock Drill

> IDIV

- Interim Division Structure with O&O and TTP development

> CS/CSS Transformation

- Synchronize IBCT work with DA and CS/CSS transformation process

> Science and Technology

- Tech Insertions
- Enablers

AUSA Logistics
Symposium



Support Starts Here!



Prepare for the Next War

- ➔ ***Update Doctrine***
- ➔ ***Reshape Force Structure***
- ➔ ***Transform Training***
- ➔ ***Leverage Technology***



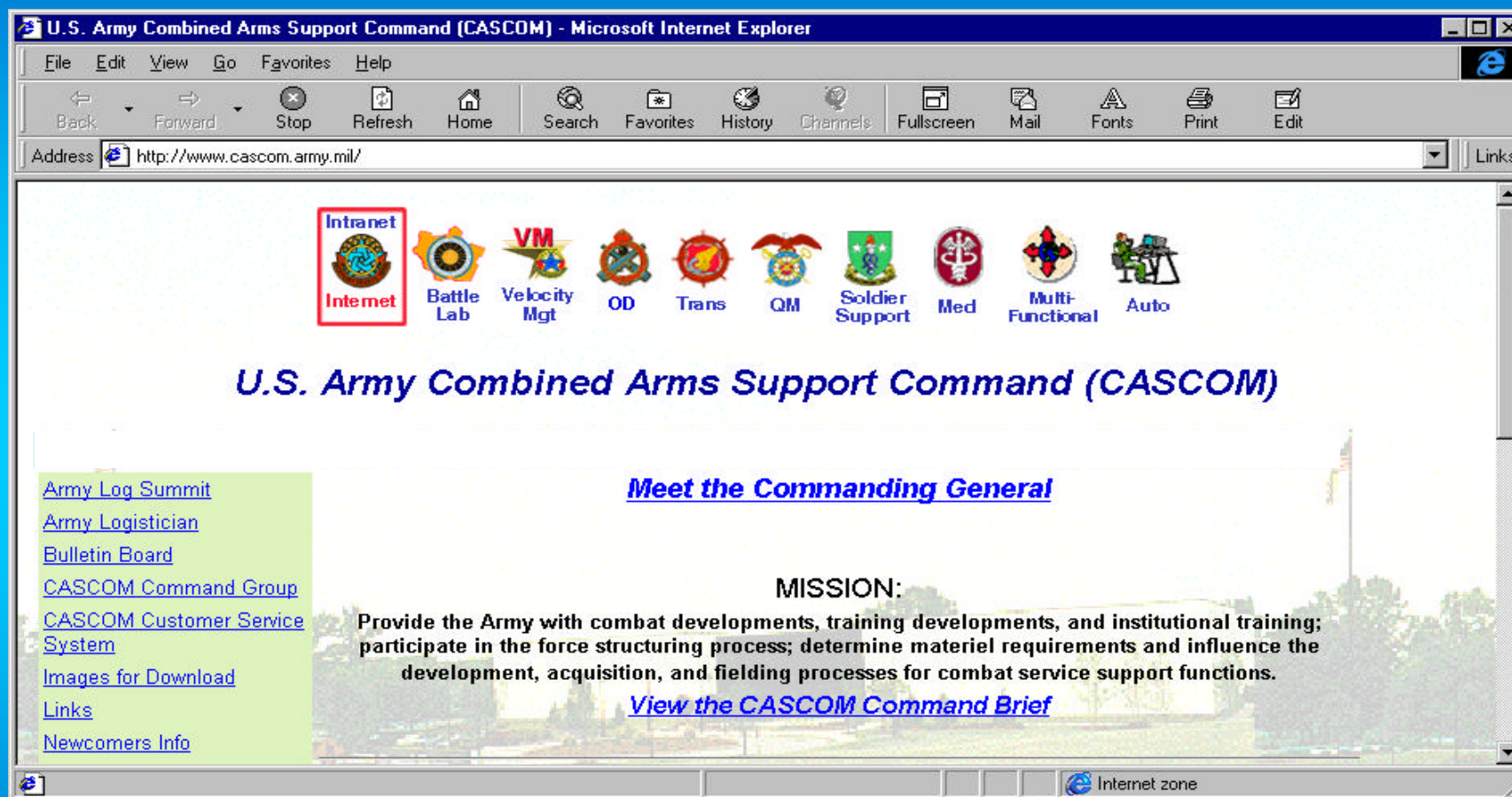
The Old Way Cannot Be the New Way!



Questions



CASCOM Homepage



<http://www.cascom.army.mil/>

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